



CRACKLESS FIBER GS

كراكليس فيبر جي إس

Monofilament Synthetic Fiber Glass , to improve mechanical properties for Plasters, Concrete and Cement mixtures

Added Value:

- Easy to disperse in plaster, concrete, and cement mixtures in general.
- It doesn't affect significantly the workability of concrete so it reduces the use of admixtures for plasters and concrete.
- Using it in flooring doesn't affect the appearance of concrete surface after mechanical dry-shake

Economic and Easy to Apply

- Economic since one bag of **Crackless Fiber GS** is enough for 1 cubic meter of concrete or plaster.
- Easy to add and mix manually or mechanically.

Product Specifications

- Filament fiber white to yellowish.
- Fiber Length 6 mm (12 and 18 mm are available upon request)
- Bulk density = 0.9 gm/cm³
- Water Absorption: Nil.
- Melting Point = 170 °C
- Acid Resistivity: Good.



Crackless Fiber GS Features:

Crackless Fiber GS is specially designed for Plasters, Concrete, and Cement mixtures in general to improve the mechanical properties of concrete and cement mortars in terms of reducing surface and deep cracks resulting from the hard and inflexible nature of concrete.

The fiber nature of **Crackless Fiber GS** is a monofilament which bound in bundles, and easily disperse in the concrete and cement-based mixtures by concrete truck mixing or hand stirring and blending.

Filaments of **Crackless Fiber GS** don't gather on the surface of concrete or plaster but tend to homogeneity with the concrete or cement mixtures and don't form any contaminants on the surface of concrete floors or plasters in general.



Product

Specifications(cont)

- Electrical Conductivity: Nonconductive.
- Thermal Conductivity: Low.
- Resistant to rotting and biological decomposition by bacteria and fungi.
- Increases significantly concrete and mortar resistance to water absorption.
- Reduces significantly the shrinkage of concrete and cement-based mixtures.
- **Crackless Fiber GS** increases the resistance of concrete surface to wear and abrasion.

Health and Safety:

Crackless Fiber GS is not Poisonous and does not affect the health of humans in general.

Packing:

- Supplied in 0.9 Kg. Plastic, sealed bags suitable for mixing with one cubic meter of concrete or mortar.
- Each 20 Sacks are packed in a carton box.

Application Fields:

- ✓ In all types of Concrete (floors – the one subjected to special conditions).
- ✓ In flooring materials whether the materials that strengthen the concrete surface or the leveling materials of self-leveling concrete surfaces or that are spread by trowel.
- ✓ In all types of plaster and repairing mortars and also can be used in gypsum mortar.

Application Guide:

- The recommended dose is 0.9 kg (One pack) /1 m³ of concrete or mortar.
- For best mixing the fiber is added to concrete in the patch plant, but practically the fiber may be added to the truck mixer on site.
- Extra mixing time (3-5 minutes) may be required to ensure the best mixing conditions.
- It is always expected that there is a decrease in concrete workability (from 1 to 4 cm) than the concrete which doesn't contain fiber and to regain the workability a few concrete additives designated for this purpose should be added.



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